

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	921	(237/12.3R).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 10:25
S2	320	(237/28).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S3	260	(454/69).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S4	4542	(165/185).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S5	1644	(165/41).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:35
S6	6727	S2 or S3 or S4 or S5	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 16:35
S7	19	S6 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 16:41
S8	5	S6 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 16:51
S9	29	("5640293" "5814765" "6116916" "6195263" "6265659" "6265840" "6396380" "6430054" "6522528" "RE36317"). PN. OR ("6724627"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 16:57
S10	22	("20010028197" "4557225" "4899256" "5140500" "5461542" "5646827" "5712765" "5946192" "6166909" "6282092" "6671173"). PN. OR ("6785139"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:06
S11	838	(361/715).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:22
S12	22	S11 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/02 17:23
S13	1	("5801330").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:45

S14	3	US-4620263-\$.DID. OR US-6779622-\$.DID. OR US-20020056540-\$.DID. OR DE-10233836-\$.DID. OR DE-3412510-\$.DID. OR DE-4023146-\$.DID. OR DE-10152924-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/02 17:49
S15	27	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	EPO	OR	ON	2011/03/03 09:07
S16	0	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	EPO	OR	ON	2011/03/03 09:07
S17	178	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	JPO	OR	ON	2011/03/03 09:13
S18	1	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	JPO	OR	ON	2011/03/03 09:13
S19	229	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	DERWENT	OR	ON	2011/03/03 09:23
S20	20	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	DERWENT	OR	ON	2011/03/03 09:23
S21	1	("6522540").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 09:28
S22	229	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	DERWENT	OR	ON	2011/03/03 13:52
S23	0	S22 and (" mm" or millimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:52
S24	0	S22 and (" cm" or centimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:53
S25	0	S22 and inch	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:53
S26	320	(237/28).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54
S27	260	(454/69).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54
S28	4550	(165/185).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54

S29	1644	(165/41).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 13:54
S30	6735	S26 or S27 or S28 or S29	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:54
S31	429	S30 and (gap or clearance) and (" mm" or millimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:54
S32	87	S30 and (gap or clearance) adj10 (" mm" or millimeter)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:55
S33	21	S32 and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 13:59
S34	1	("2003112532").PN.	JFO	OR	OFF	2011/03/03 16:59
S35	320	(237/28).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S36	260	(454/69).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S37	4550	(165/185).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S38	1644	(165/41).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:03
S39	6735	S35 or S36 or S37 or S38	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:03
S40	5	S39 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:03
S41	2	S40 and metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:03
S42	838	(361/715).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/03 17:05
S43	22	S42 and (circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:05
S44	14	S43 and metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:05
S45	0	(S39 or I110) and stepped adj metal adj5 plate	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:30
S46	0	(S39 or I110) and stepped adj metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:30
S47	39	(S39 or I110) and step\$3 adj3 metal	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/03 17:30
S48	1	("20060289664").PN.	US-PGPUB	OR	OFF	2011/03/04 12:40
S53	320	(237/28).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31

S54	260	(454/69).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S55	4550	(165/185).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S56	1644	(165/41).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/04 13:31
S57	6735	S53 or S54 or S55 or S56	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:31
S58	54	S57 and (gap or clearance) adj10 (" in." or inch)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:31
S59	3	S57 and (gap or clearance) adj10 (" in." or inch) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:32
S60	3	S57 and (gap or clearance) adj10 (" in." or inch or inches) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:34
S61	3206	(gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) and vehicle and (rattl\$3 or vibrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:35
S62	424	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4))and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:36
S64	224	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4)) and vehicle and (electric\$3 or electronic)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:38
S65	68	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4)) same (electric\$3 or electronic) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 13:52
S66	0	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4)) same (electric\$3 or electronic) and vehicle	EPO	OR	ON	2011/03/04 14:04

S67	0	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4)) same (electric\$3 or electronic) and vehicle	JFO	OR	ON	2011/03/04 14:04
S68	0	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4)) same (electric\$3 or electronic) and vehicle	DERWENT	OR	ON	2011/03/04 14:04
S69	68	((gap or clearance) adj10 (" in." or inch or inches or " mm" or millimeter or " cm" or centimeter) same (rattl\$3 or vibrat\$4)) same (electric\$3 or electronic) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:19
S70	0	("3 mm" or "3 millimeter" or "20 mm" or "20 millimeter") adj5 (gap or clearance) adj10 (rattl\$3 or vibrat\$4) same (electric \$3 or electronic) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:21
S71	0	("3 mm" or "3 millimeter" or "20 mm" or "20 millimeter") adj5 (gap or clearance) adj10 (rattl\$3 or vibrat\$4) same (electric \$3 or electronic)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:21
S72	6	("3 mm" or "3 millimeter" or "20 mm" or "20 millimeter") adj5 (gap or clearance) adj10 (rattl\$3 or vibrat\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/04 14:22
S73	167	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) and metal adj plate	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:07
S74	5	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:12
S75	2	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	JFO	OR	ON	2011/03/05 15:12

S76	0	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	EPO	OR	ON	2011/03/05 15:13
S77	0	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	DERWENT	OR	ON	2011/03/05 15:13
S79	286	(radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:14
S80	35	(radiat\$4 adj3 (member or plane or plate)) adj10 (metal adj plate) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:15
S81	104	(heat adj sink) adj10 (metal adj plate) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:20
S82	48	(radiat\$4 adj3 (member or plane or plate)) adj10 ((metal or steel or aluminum or copper) adj plate) and vehicle	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/05 15:34
S83	320	(237/28).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S84	260	(454/69).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S85	4550	(165/185).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S86	1644	(165/41).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/07 11:33
S87	6735	S83 or S84 or S85 or S86	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 11:33
S88	20	S87 and (circuit adj board or pcb) near10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 11:33
S89	31	(circuit adj board or pcb) near10 (radiat\$4 adj3 (member or plane or plate))	EPO	OR	ON	2011/03/07 11:35
S90	4	("180".clas. or "280".clas.) and (circuit adj board or pcb) near10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/07 11:35
S91	320	(237/28).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44

S92	260	(454/69).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S93	4561	(165/185).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S94	1645	(165/41).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S95	6747	S91 or S92 or S93 or S94	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/08 17:44
S96	3	S95 and (engine adj (compartment or room)) same circuit same bottom	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/08 17:44
S97	13	("20020141143" "20020154486" "20030048611" "20030133267" "20040141292" "4668873" "6160708"). PN. OR ("7120024"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/08 17:44
S98	2	S95 and (engine adj (compartment or room)) same circuit same (base or floor)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/08 17:48
S99	239	(engine adj (compartment or room)) same circuit same (base or floor)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 08:37
S100	237	(engine adj (compartment or room)) same circuit same (bottom or floor)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 10:31
S101	35	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 10:41
S102	0	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	EPO	OR	ON	2011/03/09 10:49
S103	2	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	JPO	OR	ON	2011/03/09 10:49
S104	5	(engine adj (compartment or room)) near10 (bottom or floor) same circuit	DERWENT	OR	ON	2011/03/09 10:50
S105	320	(237/28).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S106	260	(454/69).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S107	4561	(165/185).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S108	1645	(165/41).CCL.S.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20

S109	6747	S105 or S106 or S107 or S108	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 13:20
S110	840	(361/715).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 13:20
S111	7403	S109 or S110	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 13:20
S112	50	S111 and (battery near5 circuit)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 13:21
S113	1	S111 and (battery near5 pcb)	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 14:06
S114	182	(battery near5 (gap or clearance) near5 (circuit or pcb))	US-PGPUB; USPAT; USOCR	OR	ON	2011/03/09 14:07
S115	1	("5953207").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 14:16
S116	9	("4880145" "5469328" "5590026" "5781410" "5812373").PN. OR ("5953207").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 14:18
S117	2	(battery near5 (gap or clearance) near5 (circuit or pcb))	EPO	OR	ON	2011/03/09 14:40
S118	15	(battery near5 (gap or clearance) near5 (circuit or pcb))	JPO	OR	ON	2011/03/09 14:43
S119	37	(battery near5 (gap or clearance) near5 (circuit or pcb))	DERWENT	OR	ON	2011/03/09 14:46
S120	1	("5214370").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 15:33
S121	1	("5403782").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 15:34
S122	16	("4645943" "4864373" "4998888" "5008776" "5196374").PN. OR ("5403782").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/03/09 15:34
S123	0	("2007/0195504").URPN.	USPAT	OR	OFF	2011/08/30 10:51
S124	2	("2005/0047095").URPN.	USPAT	OR	OFF	2011/08/30 10:52
S125	651	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 10:54

S126	30	("5640293" "5814765" "61116916" "6195263" "6265659" "6265840" "6396380" "6430054" "6522528" "RE36317"). PN. OR ("6724627"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 11:28
S127	25	("4689721" "5040994" "5408383" "5519252" "5657203" "6031730"). PN. OR ("6341066"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 11:30
S128	179	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	JPO	OR	ON	2011/08/30 11:32
S129	29	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	EPO	OR	ON	2011/08/30 11:37
S130	32	(tomikawa near2 tadashi). in.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 13:22
S131	54	(yamane near2 shigeki).in.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 13:26
S132	15	("4754418" "4876441" "5360942" "5526234" "5541448" "5541452" "5700981" "5786548" "6201696" "6307749" "6350953" "6374912" "6459586" "6560115" "6775141").PN. OR ("7877868").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:30
S133	1	(kano near2 tomoki).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:31
S134	3	(hosokawa near2 tsuyoshi). in.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:31
S135	6	(nishida near2 futoshi).in.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:32
S137	751	(autonetworks adj technologies).as.	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 13:33
S138	157	S137 and radiat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 13:33
S140	122	(tomikawa near2 tadashi). in.	JPO	OR	ON	2011/08/30 13:42
S141	227	(yamane near2 shigeki).in.	JPO	OR	ON	2011/08/30 13:43
S142	31	(kano near2 tomoki).in.	JPO	OR	OFF	2011/08/30 13:48

S143	8	(hosokawa near2 tsuyoshi).in.	JFO	OR	OFF	2011/08/30 13:50
S144	54	(nishida near2 futoshi).in.	JFO	OR	OFF	2011/08/30 13:50
S145	924	(237/12.3R).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:52
S146	323	(237/28).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:52
S147	268	(454/69).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:54
S148	4785	(165/185).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:55
S149	1664	(165/41).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 13:58
S150	869	(361/715).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:06
S151	30	("5640293" "5814765" "6116916" "6195263" "6265659" "6265840" "6396380" "6430054" "6522528" "RE36317"). PN. OR ("6724627"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:10
S152	1	("7244141").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:12
S153	5	("4409641" "5243131" "6881077").PN. OR ("7244141").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 14:12
S154	1724	engine near2 (room compartment) same (bottom floor) same (wide wall)	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 16:05
S155	651	(circuit adj board or pcb) adj10 (radiat\$4 adj3 (member or plane or plate))	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 16:06
S156	1	S154 and S155	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 16:06
S157	125	engine near2 (room compartment) same (bottom floor) same (wide wall) same (circuit pcb)	US-PGPUB; USPAT; USOCR	OR	ON	2011/08/30 16:06
S158	12	("4871884" "4952753" "4963099" "5362242" "5823819" "5831814" "5967819" "6008982" "6428331").PN. OR ("6506061").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2011/08/30 16:38

8/31/2011 11:32:58 AM

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